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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/755,828	01/04/2001	Charles W. Pearce	PEARCE 27	5397

27964 7590 04/07/2003
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EXAMINER

CHEN, JACK S J

ART UNIT	PAPER NUMBER
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2813

DATE MAILED: 04/07/2003

10

Please find below and/or attached an Office communication concerning this application or proceeding.

Part of Paper No. 10

Art Unit: 2813

DETAILED ACTION

1. In response to the communications dated January 21, 2003, claims 1-20 are active in this application.

Specification

2. The amendment filed 1/21/2003 is objected to under 35 U.S.C. 132 because it introduces new matter into the disclosure. 35 U.S.C. 132 states that no amendment shall introduce new matter into the disclosure of the invention. The added material which is not supported by the original disclosure is as follows: Applicant has changed the phrase "first source/drain dopant" to --channel dopant-- and "second source/drain dopant" to --source/drain dopant-- throughout the specification and claims.

Applicant is required to cancel the new matter in the reply to this Office Action.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

4. Claims 1-3, 6-13, 16-20 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey

Art Unit: 2813

to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. See above.

5. Claims 1-3, 6-13, 16-20 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. See above.

6. Claims 1-3, 6-13, 16-20 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. Re claims 1 and 11, applicant claims diffusing a first source/drain dopant laterally in the amorphous region to form a first portion of a channel; this is unclear since the source/drain dopant having the same conductivity type as the substrate/channel, as showing in figure 1 (substrate 110 having p-type conductivity) and figure 4 (first source/drain dopant 410 also having p-type conductivity). It is noted that a transistor (MOS) normally having the source/drain conductivity opposite from the substrate conductivity. Accordingly, the method for forming such device is unclear to one having skill in the art.

7. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

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Art Unit: 2813

8. Claims 1-3, 6-13, 16-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Re claims 1 and 11, the phrase "diffusing a first source/drain dopant laterally in the amorphous region to form a first portion of a channel" is unclear and confusing (see above).

Conclusion


9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jack Chen whose telephone number is (703) 308-5838. The examiner can normally be reached on Monday-Friday (alternate Monday off) from 8:30 am to 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl W. Whitehead, Jr., can be reached on (703)308-4940. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9318 for regular communications and 703-872-9319 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)308-0956.

Jack Chen

April 7, 2003


JACK CHEN
PATENT EXAMINER

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